

Large Whale Entanglement Report 2002

updated March 2005

National Marine Fisheries Service
Protected Resources Division
1 Blackburn Drive
Gloucester, MA 01930-2298

**Prepared by
Amy Whittingham¹, Dana Hartley¹, John Kenney¹, Tim Cole² and
Elizabeth Pomfret²**

¹ National Marine Fisheries Service
Protected Resources Division
1 Blackburn Drive
Gloucester, MA 01930-2298

² National Marine Fisheries Service
Protected Species Branch
166 Water Street
Woods Hole, MA 02543-1026

Comments or Questions, please contact:

Mendy Garron
NER Stranding Program
Email: Mendy.Garron@noaa.gov
Phone: (978)281-9300 x6528

2002 Large Whale Entanglement Report

Table 1: Summary of 2002 large whale entanglement reports for live entangled whales.

Indication of Entanglement* - Live Whales			
Common name	Yes	No	Total
Right Whale	7		7
Humpback Whale	14	3	17
Fin Whale			0
Minke Whale	2		2
Blue Whale	1		1
Unidentified	1	1	2
Total	25	4	29

Table 2: Summary of 2002 large whale entanglement reports for dead stranded or floating dead whales.

Indication of Entanglement*- Dead Whales			
Common name	Yes	No	Total
Right Whale	1		1
Humpback Whale	5		5
Fin Whale	1		1
Minke Whale	3		3
Unidentified	2		2
Total	12	0	12

* "Indication of Entanglement" is marked 'Yes' for cases where one or more of the following applies:

- Gear was reported on a whale by a reliable observer.
- Gear was photo-documented on a whale.
- Gear was retrieved from a whale.
- Marks/wounds from gear were documented on a whale carcass, excluding healed scars.
- Gear was reported on a whale by an inexperienced observer who was interviewed by NMFS or CCS staff and the account was descriptive enough to eliminate doubt about whether or not the whale was entangled.

NOTE:

- Some of the reports that follow are still under analysis. Data are represented as accurately as possible with information received as of October 2003.
- New England Aquarium provided sighting and life history information for right whales.
- Center for Coastal Studies provided sighting and life history information for humpback whales.

Table 3: Key for acronyms used in this report

Acronyms

CCS	Center for Coastal Studies
CCS/MA DMF	Center for Coastal Studies and Massachusetts Division of Marine Fisheries
CCSN	Cape Cod Stranding Network
COA	College of the Atlantic
DFO	Department of Fisheries and Oceans (Canada)
ECE	East Coast Ecosystems (Canada)
EWS	Early Warning System
FMRI	Florida Marine Research Institute
FRC	Fast response craft
GMWSS	Grand Manan Whale and Seabird Research Station
IFAW	International Fund for Animal Welfare - Research crew from vessel "Song of the Whale"
MA DMF	Massachusetts Division of Marine Fisheries
ME DMR	Maine Department of Marine Resources
MEP	Massachusetts Environmental Police
MMSC	Marine Mammal Stranding Center
NAIB	National Aquarium in Baltimore
NEAq	New England Aquarium Right Whale Research Team
NMFS	National Marine Fisheries Service
NMFS DEII	NMFS Research Vessel Delaware II
NMFS PSB	NMFS Protected Species Branch, Northeast Fisheries Science Center
NMFS SAS	NMFS Sightings Advisory System, Protected Resources Div., Northeast Regional Office
NOAA	National Oceanic and Atmospheric Administration
RI DEM	Rhode Island Department of Environmental Management
SAG	Surface active group
UNC - W	University of North Carolina, Wilmington
USCG	United States Coast Guard
VMMS	Virginia Marine Science Museum
WCNE	Whale Center of New England
WHOI	Woods Hole Oceanographic Institution
WW	Whale watch

NMFS No.	E1-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Dead	
Date 1st Observed Entangled	2/1/2002	
Species	Minke	
No. of Animals	1	
Individual ID	Unknown	
Location	1 mile south of Frisco Pier, Dare County, NC	
Latitude/Longitude	35° 13.3' N	075° 39.1' W
Event Description	2/1/2002 <ul style="list-style-type: none"> • Whale washed ashore in moderate stage of decomposition. • Necropsy was performed. • Necropsy team documented line marks on fluke. 	
Description of Gear on Whale	None noted	
Description of Wounds	Line marks wrapping peduncle and leading down the fluke. U-shaped abrasion through blubber and skin.	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	None - mortality	
Life History Information	475 cm subadult	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 1 - 02		
Field No.	J020102	Date 1st Observed Entangled	2/1/02
Location 1st Observed	1 nm South of the Frisco Pier, N.C. 35° 13.3' N, 75° 39.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
No gear present.			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/13/2004
		Current Location of Gear	N.A.

NMFS No.	E2-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st observed entangled	2/12/2002
Species	Right Whale
No. of animals	1
Individual ID	1424
Location	5 miles E. of the S. end of Amelia Island, Florida
Latitude/Longitude	~ 30° 31'N ~ 81° 20' W
Event Description	<p>2/12/2002</p> <ul style="list-style-type: none"> • Entangled right whale sighted off Florida. • Assessment: whale appeared healthy, uninjured, and did not appear in immediate danger. • Action Plan: Monitor. Should opportunities arise: Pursue better documentation of right side of head and flipper. Reduce trailing line. Implant tag. Cut loop of rope over back. <p>2/26/2002</p> <ul style="list-style-type: none"> • Further assessment of photos revealed an additional loop of rope around the rostrum, near the forward tip. • Entanglement upgraded to serious, life threatening. <p>3/29/2002</p> <ul style="list-style-type: none"> • #1424 sighted off Cape Cod by CCS plane, photo documented but plane had to leave the scene to refuel. R/V <i>Shearwater</i> and plane were unable to relocate the whale. • Photos suggested that the whale's condition had deteriorated since last sighting. <p>4/17/2002</p> <ul style="list-style-type: none"> • NOAA-SAS plane sighted #1424 north of Stellwagen Bank (42° 27.80'N / 70° 24.30'W). • <i>Silver II</i> (WCNE), R/V <i>Shearwater</i> and CCS plane responded. • Telemetry buoy attached tenuously as weather deteriorated. Data suggested that the buoy was attached for 3 hrs before having gone adrift. <p>5/6/2002</p> <ul style="list-style-type: none"> • NOAA-SAS plane sighted #1424 ~55 miles E. of Nantucket. NOAA R/V <i>Albatross IV</i> responded, the whale proved evasive and was eventually lost. No photo documentation. • Aerial team indicates overall health of #1424 appeared unchanged since the 4/17/2002 sighting. <p>5/12/2002</p> <ul style="list-style-type: none"> • NOAA-SAS sighted #1424 in the Great South Channel, 34 NM E. of Nantucket (41° 18.8'N / 69° 12.2'W). • No disentanglement response. <p>06/18/2002</p> <ul style="list-style-type: none"> • NOAA-SAS sighted #1424 ~115 nm E. of Race Point, MA. • No disentanglement response. <p>4/14/2003</p> <ul style="list-style-type: none"> • MA-DMF/CCS Aerial survey sighted #1424 in Cape Cod Bay. • Several attempts made to attach working line/telemetry tether were unsuccessful.

Description of Gear on Whale	Heavy green/blue poly or poly blend trailing between 150-300 ft behind the flukes. Line runs forward and enters left side of mouth, forming a large loop that drapes back ~4 ft behind blowholes before reentering right side of mouth. Also a tight wrap near front end of rostrum.
Description of wounds	No acute wounds- over subsequent sightings whale appeared thinner, skin condition worsened, cyamid patches.
Gear Type	Unknown - no gear recovered
Sighting prior to entanglement	9/17/2001 in Bay of Fundy
Re-sightings	None
Life History Information	Male, ~45 feet in length. First seen in 1981.
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 2 - 02	Date 1 st Observed Entangled	2/12/02
Field No.	J021202		
Location 1 st Observed	5 nm East of the South end of Amelia Island, FL ~30° 31' N, 81° 20' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	right	Gear Recovered (y/n)	No
Individual ID	1424	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown - no gear recovered	Target Species:	

Gear Description:

Comments:

Conclusions:

No Gear recovered.

Report By:	John F. Kenney	Date:	2-13-04	Current Location of Gear	N.A.
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NMFS No.	E3-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	3/14/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown (Temporary ID: CCS 02-05)
Location	13 miles east of Block Island, Rhode Island
Latitude/Longitude	41° 06.02'N 71° 18.02'W
Event Description	<p>3/14/2002</p> <ul style="list-style-type: none"> • Fishing vessel crew reported entangled humpback, anchored and surfacing frequently • CCS <i>Skymaster</i> arrived on scene and verified entanglement. Waning daylight precluded a rescue attempt. <p>3/15/2002</p> <ul style="list-style-type: none"> • The reporting vessel, with CCS disentanglement team aboard, located the whale. • A control line and large poly balls were attached to the gear. • The grapple came loose, but a second attachment was more secure. • Flotation and resistance of buoys pulled gear free from the whale. • Whale was completely disentangled by CCS aboard the fishing vessel. • Gear was retrieved and submitted to NMFS for evaluation.
Description of Gear on Whale	Line and buoy
Description of Wounds	None noted
Gear Type	Lobster - inshore
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	~25 ft, subadult
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 3 - 02		
Field No.	J031402	Date 1 st Observed Entangled	3 - 14 - 02
Location 1 st Observed	11.5 mi ESE of Block Island, RI 41° 06.4N 71° 18.7W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	Humpback	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	3/15/02	Gear Retrieved By	CCS & Lyman
Date Gear Received	3/15/02	Received From	D.Morin
Sources:	USCG		Date Set
	CCS	X	Date Lost
	Fisherman	X	Location
	Other		Depth
			Bottom Type
Gear Type:	lobster gear	Target Species:	lobster
<p>Gear Description:</p> <p>Recovered gear consisted of 14 inches of #10 or #11 Neoline type polyester and 14 feet of 3/8" black & orange poly. Most of the gear remained at sea.</p>			
<p>Comments:</p> <p>Local F/V found and reported entangled humpback and offered to assist CCS with disentanglement efforts. F/V provided platform to CCS disentanglement team - Lyman, Morin, Mayo & 2 other CCS personnel.</p>			

Conclusions:

Whale was entangled in a string of lobster gear.

Report By:	John F. Kenney	Date:	2-15-04	Current Location of Gear	NMFS, Allen Harbor
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NMFS No.	E4-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Dead	
Date 1st Observed Entangled	3/24/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Unknown	
Location	Dam Neck, Virginia Beach, VA	
Latitude/Longitude	36.78486° N	75.95747°W
Event Description	3/24/2002 <ul style="list-style-type: none"> • Carcass washed ashore in Virginia Beach in moderate stage of decomposition • VMSM documented possible entanglement scars on peduncle. • Partial necropsy performed, carcass too decomposed for histology. 	
Description of Gear on Whale	None noted	
Description of Wounds	Deep groove on dorsal keel at insertion of the fluke and along left fluke	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	None - mortality	
Life History Information	~ 26 ft male	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 4 - 02		
Field No.	J032402	Date 1st Observed Entangled	3/24/02
Location 1st Observed	Dam Neck, Virginia Beach, VA 36° 47.1' N, 75° 57.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u>					
<u>Comments:</u>					
<u>Conclusions:</u>					
No gear recovered.					
Report By:	John F. Kenney	Date:	2-15-04	Current Location of Gear	N.A.

NMFS No.	E5-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	4/2/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown (Temporary ID: CCS 02-06)
Location	50 NM east of Provincetown, MA
Latitude/Longitude	42° 14'N 69° 07' W
Event Description	<p>4/2/2002</p> <ul style="list-style-type: none"> • Fishing vessel crew reported a whale, entangled by the tail and not diving. • CCS-MA DMF plane crew located the whale and documented. • No disentanglement operation was mounted due to weather. • NOAA -SAS sighted and further documented the whale. <p>4/5/2002</p> <ul style="list-style-type: none"> • CCS plane located the whale in same location still anchored in gear • Improvement in weather allowed CCS to launch disentanglement response. • R/V <i>Shearwater</i> arrived on scene and located the whale, with assistance from the fishing vessel which provided the original report. • The disentanglement team attached a control line and large balloon buoy. • Whale was kept at surface and the team cut the single, very tight wrap around the tail stock. • Whale was completely disentangled.
Description of Gear on Whale	Line and buoy
Description of Wounds	Minor fresh scuffing near area of entanglement, otherwise appeared uninjured.
Gear Type	Slime eel gear
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	~50ft in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 5 - 02		
Field No.	J040202	Date 1 st Observed Entangled	4/2/02
Location 1 st Observed	50 nm E. Provincetown, Cape Cod, MA 42° 24' N, 69° 7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	4/2 Observation 4/5 Disentanglement
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set	5/31/02	
	CCS		Date Lost		
	Fisherman	owner interview	Location	~ same as observed entangled	
	Other		Depth	108 fm	
			Bottom Type	Mud	
Gear Type:	slime eel traps		Target Species:	slime eel	
<u>Gear Description:</u>					
<p>Twenty trap trawl of slime eel traps which are constructed from 55 gallon plastic drums. The traps are spaced 30 fm apart and attached to the ground line with gangions. The buoy line was 50 fm of 9/16" sink line on the top and 100 fm of 9/16" float line on the bottom. The ground line is 9/16 polysteel. At both ends and in the middle of the ground line 150 pound weights are attached with gangions to keep the traps from moving on the bottom.</p>					
<u>Comments:</u>					
<p>The owner thinks the entanglement occurred just below the tide ball and got one wrap around the tail.</p>					

Conclusions:

The whale was entangled just below the surface system in the end line of slime eel gear.

Report By:	John F. Kenney	Date:	2/15/04	Current Location of Gear	N.A.
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NMFS No.	E6-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	4/3/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown
Location	0.8 miles south of ramp 49, Frisco, NC
Latitude/Longitude	35.22970° N 75.61918° W
Event Description	<p>4/3/2002</p> <ul style="list-style-type: none"> • Dead whale washed near shore in Frisco, NC in moderate stage of decomposition. • Whale positioned upside-down and submerged in small amount of water at low tide. • Team documented wounds consistent with line entanglement on flukes.
Description of Gear on Whale	None noted
Description of Wounds	Left flipper had 2 thin line cuts wrapping around leading edge. Left fluke lobe had 3-4" cut on ventral side.
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	880 cm in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 6 - 02		
Field No.	J040302	Date 1st Observed Entangled	4/3/02
Location 1st Observed	~ 1 nm south of ramp 49, Frisco, NC 35 °13.8 'N, 75 °37.2 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:			Target Species:		
<u>Gear Description:</u> <p style="text-align: center;">No gear present.</p>					
<u>Comments:</u> 					
<u>Conclusions:</u> <p style="text-align: center;">No gear recovered.</p>					
Report By:	John F. Kenney	Date:	2/15/04	Current Location of Gear	N.A.

NMFS No.	E7-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	4/7/2002
Species	Right
No. of Animals	1
Individual ID	3120
Location	Frying Pan Shoals, off Bald Head Island, Cape Fear, NC
Latitude/Longitude	33°42.109 N 77° 52.516' W
Event Description	<p>4/7/2002</p> <ul style="list-style-type: none"> Party boat captain reported an entangled free-swimming whale. Boat did photo document, but was not able to stand by. Members of UNC-W disentanglement team responded with the help of USCG, and were not able to relocate whale. Analysis of images from captain showed a serious entanglement. The entanglement was considered life-threatening due to young age of animal and multiple wraps of line. <p>4/20/2002</p> <ul style="list-style-type: none"> NEAq identified as #3120. <p>5/23/2002</p> <ul style="list-style-type: none"> #3120 sighted by NOAA plane in Great South Channel, 36 NM east of Nantucket. Photo-documentation showed a serious and complex entanglement, although the overall condition of the whale appeared relatively good. Whale seen swimming in close proximity with other whales, feeding and defecating. <p>7/24/2002</p> <ul style="list-style-type: none"> ECE naturalist aboard commercial whale watch vessel reported sighting #3120 to Canadian Coast Guard, 4 miles NW of Boar's Head, Long Island, Nova Scotia. Despite a considerable search effort, the whale was not seen again in the area. <p>8/21/2002</p> <ul style="list-style-type: none"> #3120 was sighted by a Grand Manan whale watch vessel. Multiple vessels responded and VHF and satellite tags were attached and functioning. <p>8/24/2002</p> <ul style="list-style-type: none"> Disentanglement operations got underway in the Bay of Fundy by the Canadian Network (44°43.4 N / 66°22.0W) The telemetry buoy came lose with some gear (wad of line and buoy) from the tail area, which made the whale untrackable and also reduced the length of workable line running from the tail which would make future attachments more difficult. <p>2/19/2003</p> <ul style="list-style-type: none"> FMRI reported and documented ~6 NM east of Jacksonville, FL (30° 11.8'N / 81° 14.4' W). Late in day, no disentanglement operation possible. <p>2/20/2003</p> <ul style="list-style-type: none"> Later analyses of photos (2/23/2002) revealed that #3120 appeared in 3

	<p>photos taken on the EWS survey being conducted the same day. The whale was not recognized in the field as being entangled before being lost.</p> <p>6/24/2003</p> <ul style="list-style-type: none"> • NOAA Aerial survey reported an entangled whale, later identified as 3120, at Mayo swell (~54 nm NE of Race Point, MA). • The gear appeared to have loosened up since previous sightings off of FL. • Overall condition of whale appeared to have slightly improved since previous sightings. • Decision made to monitor 3120. Although it was not certain that 3120 would continue to improve and rid itself of the gear, it seemed less certain that any disentanglement action at this time would improve those chances.
Description of Gear on Whale	Line and buoy. Initially seen as two wraps of the rostrum with at least one emerging from the right side of the mouth, running diagonally over the blowholes to the left flipper, where it appears to wrap several times. From there, line runs aft of the tail stock, where it is again wrapped several times with a small buoy attached.
Description of Wounds	None noted
Gear Type	Lobster - inshore - state waters
Sighting Prior to Entanglement	12/23/2001 in the calving area (as a yearling) still with #1911 (mother).
Re-sightings	None
Life History Information	~33 ft in length. Yearling born the winter of 2000/2001
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 7 - 02		
Field No.	J040702	Date 1 st Observed Entangled	04/07/02
Location 1 st Observed	Frying Pan Shoals, NC 33° 42.1' N, 77° 52.5' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	4/7/02 Observation 8/24/02 Partial Disentanglement
Species	Right Whale	Gear Retrieved (y/n)	Yes
Individual ID	3120	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	8/24/02	Gear Retrieved By	CCG, CCS, NEAq, & others
Date Gear Received	9/3/02	Received From	C.Slay, NEAq
Sources:	USCG	Date Set	October 2001
	CCS	Date Lost	October 2001
	Fisherman	Owner interview	Location

	Other		Depth	30 fm
			Bottom Type	Hard
Gear Type:	Inshore lobster gear		Target Species:	Lobster

Gear Description:

Gear consists of a bullet buoy (with a 4 digit number) on a PVC stick and 6 pieces of line (2 each of three line types). Attached to the buoy stick is 10 feet of 3/8" sinking rope. Another 8 foot piece of the same line was present. There is a 10 foot length of 5/16" floating rope attached to with a fisherman's knot to a 90 foot length of 7/16" floating rope. Also present is an additional 8 foot length of the 5/16" floating rope and a 28 foot length of the 7/16" rope.

Comments:

Description of gear from owner interview (9/9/02). Two traps on a single buoy. The gear was set having 30 fm of floating rope on the bottom and 12 fm of sinking rope at the surface. The sink rope was buoyed at the surface using 2 buoys, a 5" x 11" pot buoy and a 6" x 14" pot buoy. The 5" x 11" buoy was part of the gear removed during the 8/24/02 disentanglement, the 6" x 14" pot buoy was missing. Floating rope was used between the traps.

Conclusions:

All the gear recovered in this partial disentanglement belongs to the individual interviewed and had been set in state waters.

Report By:	J. F. Kenney	Date:	3/3/03	Current Location of Gear	NMFS, Allen Harbor
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NMFS No.	E8-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Dead	
Date 1st Observed Entangled	5/30/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Unknown	
Location	~ 100 miles SE of Nantucket, MA	
Latitude/Longitude	40° 11' N	68° 43' W
Event Description	<p>5/30/02</p> <ul style="list-style-type: none"> • NOAA employee aboard reported and photo documented a floating small humpback whale carcass in moderate state of decomposition. • Flukes reported to have appeared abraded and cut. • Photo-documentation shows evidence of wrapping at the ventral peduncle and the leading edges of the flukes. Scuffing also noted at the widening of the notch. However, documentation provided was sufficient to differentiate between fresh and healed scars . 	
Description of Gear on Whale	None noted	
Description of Wounds	None noted	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	Unknown	
Life History Information	35-40 ft in length	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 8 - 02		
Field No.	J053002	Date 1st Observed Entangled	5/30/02
Location 1st Observed	100 nm SE of Nantucket Island, MA ~ 40° 11' N, 68° 43' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date :	2-16-04
		Current Location of Gear	N.A.

NMFS No.	E9-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	5/31/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown
Location	Narragansett Bay, Rhode Island
Latitude/Longitude	41° 33.841' N 71° 24.080'W
Event Description	<p>5/31/02</p> <ul style="list-style-type: none"> Fishing vessel crew reported entangled whale to Mystic Aquarium and harbormaster. Described as a 35-40 ft whale entangled by the tail stock with a single trailing line, heading south. Fishing vessel, harbormaster, and RI DEM searched for the whale but whale was lost due to fog.
Description of Gear on Whale	Reported as green line wrapped two to three times around caudal peduncle. Line trails behind whale 50-60 ft, the whale is not anchored.
Description of Wounds	None noted
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	35-40 ft in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 9 - 02		
Field No.	J053102	Date 1st Observed Entangled	5/31/02
Location 1st Observed	Narragansett Bay, West Passage, Rhode Island 44°31.8 ' N, 71° 24.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/16/04
		Current Location of Gear	N.A.

NMFS No.	E10-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	6/3/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown (Temporary ID: CCS 02-07)
Location	Between Ram Island and Eagle Island, Maine
Latitude/Longitude	43° 28.32' N 70° 21.20'W
Event Description	<p>6/3/2002</p> <ul style="list-style-type: none"> • USCG received report from passing motor vessel of live whale anchored and wrapped multiple times in rope. Whale surfaced and dove occasionally, did not seem to be in immediate distress. • USCG and ME DMR stood by and photo documented while CCS was underway. • NMFS and fishermen were also on hand to assist. • Whale was anchored in multiple lines of fixed gear. • CCS removed all gear except for a short piece of rope left in the mouth, that the team believed the whale would shed shortly. <p>6/7/2002</p> <ul style="list-style-type: none"> • Humpback whale carcass came ashore on Richmond Island, South Portland, ME. • Stranding network photo documented and CCS verified that the carcass was the same whale disentangled by CCS on 6/3/2002. • Carcass was located on a slippery ledge. Due to hazardous location, the stranding network was unable to perform a full necropsy. • The stranding network externally examined the carcass, and took blubber sample to test for starvation. • Entanglement wounds documented and whale was noted as emaciated.
Description of Gear on Whale	Wrapped in line, five buoys attached to the gear.
Description of Wounds	Indent from line on left rostrum, marks on tail stock
Gear Type	Lobster - inshore - state waters
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	985 cm in length.
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 10 - 02		
Field No.	J060302	Date 1 st Observed Entangled	6/3/02
Location 1 st Observed	Ram Island, Camp Ellis, ME 43 ° 28.3' N, 70 ° 21.2' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglemen t
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown (temp.CCS 02 - 07)	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman	5 owners interviewed	Location
	Other		Depth
			Bottom Type
Gear Type:	lobster, state waters	Target Species:	lobster

Gear Description:

Whale was entangled in the buoy lines of 6 single lobster traps. Two of the buoy lines were 5/16" and 4 were 11/32"diameter. All 6 were constructed with sink rope in the upper portion and float rope on the bottom attached to a 4 foot wire trap.

Comments:

The 5 individual owners of all 6 traps were interviewed and a description of their gear was collected. All of the gear was set in the area where the whale was found and disentangled.

Conclusions:

The whale was entangled by 6 single lobster trap endlines set in state waters.

Report By:	John F. Kenney	Date:	2/17/04	Current Location of Gear	N.A.
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NMFS No.	E11-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	6/17/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Unknown (Temporary ID: CCS #02-08)	
Location	Just outside Sesuit Harbor, Dennis, MA	
Latitude/Longitude	41° 45.8' N	70° 09.03' W
Event Description	06/17/2002 <ul style="list-style-type: none"> • Harbormaster reported and stood by until CCS arrived. • Whale was emaciated and had poor skin condition. • The whale's tail fluke appeared dislocated and twisted vertically. • Multiple wraps were present around both blades of fluke with 4' line trailing. • CCS attached a control line and buoy. • CCS noted ~ 6 lines embedded in the top fluke, ~12-15 lines embedded in right (lower) blade. • All lines were cut and removed, except some that were too far embedded into the wounds. 	
Description of Gear on Whale	At least 10 tight wraps of line around each side of the fluke back to the peduncle.	
Description of Wounds	Fluke blades twisted 90 degrees clockwise and dislocated. Severe cuts into both blades of the fluke.	
Gear Type	Unknown - 5/16" & 3/8" floating rope recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	Unknown	
Life History Information	~ 30-35 ft in length	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 11 - 02		
Field No.	J061702	Date 1st Observed Entangled	6/17/02
Location 1st Observed	Outside Sesuit Harbor, Cape Cod Bay, MA 41° 45.8 ' N, 70 ° 9.0 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglemen t
Species	humpback	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	6/17/02	Gear Retrieved By	CCS
Date Gear Received	6/24/02	Received From	CCS
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown	Target Species:	
<u>Gear Description:</u>			
Approximately 14 fathoms of 3/8" poly and 7 fathoms of 5/16" poly.			
<u>Comments:</u>			
<u>Conclusions:</u>			
Total of 21 fathoms of 5/16 & 3/8" poly (floating) rope was recovered.			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	NMFS, Narragansett

NMFS No.	E12-02	
Indication of Entanglement	No	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	6/20/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Peeler	
Location	Stellwagen Bank, ~ 5 miles N/NW of the BD Buoy	
Latitude/Longitude	42° 12.7' N	69° 55.7' W
Event Description	6/20/2002 <ul style="list-style-type: none"> • While steaming back to port, WW vessel crew reported to the naturalist on board that the whale they had sighted was entangled. • Photos taken by naturalist confirmed the identification of the whale, but no gear was visible in the photos. 	
Description of Gear on Whale	Whale was free-swimming and trailing line	
Description of Wounds	None noted	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	10/23/01 at 42° 09.01' N / 70° 11.23' W	
Re-sightings	None	
Life History Information	Juvenile female, born in 1999.	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 12 - 02		
Field No.	J062002	Date 1st Observed Entangled	6/20/02
Location 1st Observed	17 nm NE of Race Point, Cape Cod, MA 42° 12.7' N, 69° 55.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Peeler	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:		Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	N.A.

NMFS No.	E13-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	6/25/2002
Species	Minke
No. of Animals	1
Individual ID	Unknown
Location	3/4 mile outside of Chatham Harbor, Chatham, MA
Latitude/Longitude	41° 39.283' N 69° 55.666' W
Event Description	6/25/2002 <ul style="list-style-type: none"> • Recreational boater reported entangled whale to harbormaster. • Whale "spun around and swam off." Onlookers report that the whale freed itself.
Description of Gear on Whale	Described as "lobster gear with a high flyer"
Description of Wounds	Chaffing behind dorsal fin and pink area on ventral portion of the tail stock
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	~15-18 ft in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 13 - 02		
Field No.	J062502	Date 1st Observed Entangled	6/25/02
Location 1st Observed	3/4 nm outside Chatham Harbor, Cape Cod, MA 41 ° 39.3' N, 69 ° 55.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u>					
<u>Comments:</u>					
<u>Conclusions:</u>					
No gear recovered.					
Report By:	John F. Kenney	Date:	2/17/04	Current Location of Gear	N.A.

NMFS No.	E14-02		
Indication of Entanglement	Yes		
Live/Dead Outcome	Live		
Date 1st Observed Entangled	6/29/2002		
Species	Humpback		
No. of Animals	1		
Individual ID	Mauro		
Location	3 miles north of Race Point, Cape Cod, MA		
Latitude/Longitude	42° 06.91' N	70° 15.87' W	
Event Description	<p>06/29/2002</p> <ul style="list-style-type: none"> Naturalists aboard WW Vessel reported a sighting of Mauro with a single line crossing over the back. Reporting vessel and other WW Vessels stood by until the CCS boat arrived. The whale became increasingly difficult to follow after the first sighting, and when the fog rolled in, the whale was lost. <p>7/11/2002</p> <ul style="list-style-type: none"> Mauro was re-sighted by WW Vessels in virtually the same location as the 6/29/02 sighting. Experienced naturalists reported that the line crossing the back was no longer visible, but a line was seen trailing along the left side of the whale. 		
Description of Gear on Whale	Blue-green polypropylene rope of unknown size		
Description of Wounds	None noted		
Gear Type	Unknown - no gear recovered		
Sighting Prior to Entanglement	5/22/2002 at 41° 35.84' N / 69° 36.57' W		
Re-sightings	7/12/2002 at 42° 07.22' N / 70° 16.75' W		
Life History Information	Adult female, ~ 40 ft in length.		
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004		

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 14 - 02		
Field No.	J062902	Date 1st Observed Entangled	6/29/02
Location 1st Observed	3 nm North of Race Point, Cape Cod, MA 42 ° 6.9' N, 70 ° 15.9 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Mauro	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	N.A.

NMFS No.	E15-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	7/6/2002
Species	Right
No. of Animals	1
Individual ID	3107
Location	2.5 miles north of Brier Island, Nova Scotia
Latitude/Longitude	44° 18.7' N 66° 23.1' W
Event Description	<p>7/6/2002</p> <ul style="list-style-type: none"> • WW vessel crew reported the entangled right whale. • ECE arrived on scene. They noted a small orange buoy floating on the surface behind the whale but no was gear seen on the head or the remainder of the body. • Coast Guard in Halifax was notified and dispatched two vessels from Westport. • ECE was to have stood by whale, but vessel left the scene. <p>8/1/2002</p> <ul style="list-style-type: none"> • R/V <i>Neried</i> encountered the entangled whale, photo documented and visually assessed the entanglement. • NEAq team attempted to make one cut that they believed would free the whale of gear. Attempt was not successful. <p>8/8/2002</p> <ul style="list-style-type: none"> • R/V <i>Stellwagen</i> crew reported the entangled whale to R/V <i>Nereid</i>. • R/V <i>Nereid</i> identified the whale as the same individual from 8/1/02. • Attempts from the <i>Nereid</i> to both make cuts in line and attach a telemetry buoy were unsuccessful. <p>8/10/2002</p> <ul style="list-style-type: none"> • R/V <i>Stellwagen</i> crew reported the entangled whale to NEA . • R/V <i>Neried</i> arrived on scene, confirmed that it was the same whale from 8/1 and 8/8 and then attempted unsuccessfully to attach telemetry buoy. • Whale was last seen at 44° 30.7' N / 66° 36.1' W. <p>8/24/2002</p> <ul style="list-style-type: none"> • R/V <i>Nereid</i> sighted the whale at 44° 43.34' N / 66° 22.16' W, and documented. • FRC arrived at scene and disentanglement operations got underway. • Several approaches were made by inflatable, in attempt cut line. None were successful. • FRC team was forced to abandon the effort due to fuel concerns. <p>8/30/2002</p> <ul style="list-style-type: none"> • The disentanglement team on scene attached a telemetry buoy to the line entangling flukes. • NOAA SAS aerial survey crew photo-documented from the air. <p>9/1/2002</p> <ul style="list-style-type: none"> • The telemetry buoy was still providing fixes, and disentanglement operations were planned for this day by Canadian Network.

	<ul style="list-style-type: none"> Whale showed avoidance, team used hard approaches to get within cutting distance. Team was able to grapple onto the whale and pull closer. Whale did not try to get away. The critical line then pulled free of flesh under the tension. NEAq/DFO Disentanglement team reported from the Bay of Fundy that the whale was now free of gear. <p>9/30/2002</p> <ul style="list-style-type: none"> NOAA-SAS sighted and photo-documented juvenile animal that “looked as if it had recently become free of gear” at 41° 48' N / 68° 24' W. <p>10/12/2002</p> <ul style="list-style-type: none"> Dead right whale washed ashore at Sconset, Nantucket, MA.. NEAq and WHOI teams responded, no gear found on whale. Response teams reported that the carcass of the young female was emaciated with deep entanglement wounds on the caudal peduncle. <p>10/15/2002</p> <ul style="list-style-type: none"> NEAq identified the dead whale on Nantucket as #3107, the whale that had been disentangled in the BOF on 9/1/2002.
Description of Gear on Whale	Line embedded into the fluke insertion on both sides. Lines twist together on dorsal flukes with a 6-8' loop before becoming entwined. Twisted line has small orange buoy and two rigid rods near fluke notch. No trailing line beyond 1 meter of the trailing edge of the flukes.
Description of Wounds	Scarring and chaffing on tail stock, the carcass exhibited deep wounds on caudal peduncle.
Gear Type	Consistent with inshore lobster
Sighting Prior to Entanglement	12/8/2001 off South Carolina at 32° 11.5' N / 80° 36.7' W, still with mother.
Re-sightings	None - mortality
Life History Information	11 meters in length. Female yearling, 2001 calf of #1407
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 15 - 02		
Field No.	J070602	Date 1st Observed Entangled	7/6/02
Location 1st Observed	2 nm North of Brier Island, Nova Scotia, BOF 44° 18.7' N, 66° 23.1' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	7/6/02 Observation 9/1/02 Disentanglement
Species	Right whale	Gear Recovered (y/n)	Yes
Individual ID	3107	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	9/1/02	Gear Retrieved By	NEAq
Date Gear Received	9/17/02	Received From	C. Slay, NEAq.
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Consistent with Inshore Lobster gear	Target Species:	
<u>Gear Description:</u>			
<p>Gear consists of 120 feet of 3/8" sinking rope tied into one end of a 600# weak link swivel. It is a single piece of line with an eye splice at the buoy end, and a frayed bitter end on the bottom. Attached to the top side of the swivel are 2 plastic buoy sticks each 32" long and an 8" trawl can.</p>			
<u>Comments:</u>			
<p>After untangling the line and buoys, the length of line between the surface gear and the tail wrap measured approximately 65 feet. This would indicate that the whale was approximately 40 feet below the surface when the gear was encountered.</p>			
<u>Conclusions:</u>			
<p>While no trap was seen or recovered and no other identification present to establish ownership, the gear recovered is consistent with inshore lobster gear.</p>			
Report By:	John Kenney	Date:	9/19/02
		Current Location of Gear	Kingston, RI

NMFS No.	E16-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	7/8/2002
Species	Unidentified
No. of Animals	1
Individual ID	Unknown
Location	2 miles off of buoy 2, ½ mile N in Hampton Harbor near Portsmouth, NH
Latitude/Longitude	~42° 54.6' N ~70° 44.4' W
Event Description	<p>7/8/2002</p> <ul style="list-style-type: none"> • Whale reported to USCG station Portsmouth by private boaters, who had problems with their GPS. Therefore, no exact location was reported. • Boaters were able to provide a detailed description of entanglement to CCS staff. • Although the boaters were able to provide a detailed description which suggested the whale may have been a humpback, there was not enough information to confirm the species.
Description of Gear on Whale	Netting across the back forward of the dorsal fin, "blue/green netting scrunched up."
Description of Wounds	None noted
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	~ 20 ft in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments –2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 16 - 02		
Field No.	J070802	Date 1st Observed Entangled	7/8/02
Location 1st Observed	~ 3 nm off Hampton Harbor, Hampton, NH ~ 42° 54.6' N, 70° 44.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	Unidentified	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	N.A.

NMFS No.	E17-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	7/12/2002
Species	Right
No. of Animals	1
Individual ID	1427, Polaris
Location	15 miles east of Atlantic City, NJ
Latitude/Longitude	39° 23.054' N 74° 05.873' W
Event Description	<p>7/12/2002</p> <ul style="list-style-type: none"> Private boater reported entangled whale to USCG. MMSC and CCS were notified. USCG, with MMSC staff aboard, arrived on scene and stood by the whale. CCS arrived at the scene and with USCG assistance, were able to cut 300 ft of trailing line and attach a telemetry buoy to the remaining trailing gear. Disentanglement team was unable to identify the point of gear's attachment to the whale. <p>7/13/2002</p> <ul style="list-style-type: none"> A sport fishing boat reported a sighting of #1427 off Indian River Inlet, Delaware. Telemetry buoy was not consistently transmitting locations, probably due to choppy seas. The whale moved on and was lost, no vessels stood by. Analysis of yesterday's photos showed a tight white line wrapping the forward part of rostrum, and baleen protruding out of left side of mouth. <p>7/15/2002</p> <ul style="list-style-type: none"> NMFS and USCG initiated a search, and were able to relocate whale and document. <p>7/17/2002</p> <ul style="list-style-type: none"> Photographs revealed that the telemetry buoy was fouled, leaving the saltwater switch in the "off" position. This provided an explanation for the few transmissions received. An apparently well meaning charter vessel captain sighted the whale off Diamond Shoals, southeast of Cape Hatteras, and cut free the telemetry buoy in an attempt to help the whale. NMFS aerial survey attempted to relocate the whale. Plane was not able to relocate the whale. <p>7/21/2002</p> <ul style="list-style-type: none"> Whale was seen by a vessel and reported to USCG. Vessel stood by until USCG Helo 6563 arrived on scene. USCG video documented the whale. <p>7/23/2002</p> <ul style="list-style-type: none"> A private vessel captain reported the whale 14 NM east of the northern coast of St. Simon's Island. Vessel did not stand by. Aerial surveys were not able to locate whale. <p>9/7/2003</p>

	<ul style="list-style-type: none"> Whale was sighted and photo documented on Jeffreys Ledge. Whale appeared to have shed gear, though appeared to still be in poor condition.
Description of Gear on Whale	150' trailing line with 18" orange buoy 30' behind the flukes. Green line, heavy diameter. Tight wrap of white line around rostrum..
Description of Wounds	Cuts on head and flukes
Gear Type	Unknown - 270 ft of 5/8" floating rope recovered
Sighting Prior to Entanglement	4/4/2001 in Massachusetts Bay
Re-sightings	None
Life History Information	First seen in the Bay of Fundy in 1984 as a calf (calf of #1168)
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 17 - 02		
Field No.	J071202	Date 1 st Observed Entangled	07/12/02
Location 1 st Observed	15 nm East of Atlantic City, NJ 39° 23.1' N, 74° 5.9' W	Type of Event - Observation, Disentanglement, Stranding. Other	Partial disentanglement
Species	right	Gear Recovered (y/n)	Yes
Individual ID	1427	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved	7/12/02	Gear Retrieved By	CCS
Date Gear Received	7/24/02	Received From	CCS
Sources:	USCG	Date Set	
	CCS	Date Lost	
	Fisherman	Location	
	Other	Depth	
		Bottom Type	
Gear Type:	Unknown	Target Species:	Unknown
<u>Gear Description:</u>			
Gear removed consisted of 268 feet of 5/8" diameter green floating rope.			

Comments:

The whale was tagged during this disentanglement, however, 5 days later the tag was removed by a charter vessel captain.

Conclusions:

Origin of gear unknown.

Report By:	J.F. Kenney	Date:	7/29/02	Current Location of Gear	Narragansett, RI D-11
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NMFS No.	E18-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	7/17/2002
Species	Minke
No. of Animals	1
Individual ID	Unknown
Location	A couple of miles outside of Bar Harbor, ME
Latitude/Longitude	44° 18.22' N 68° 07.43
Event Description	<p>7/17/2002</p> <ul style="list-style-type: none"> • WW vessel crew reported a dead, floating whale. • The carcass was towed to Mount Desert Rock and necropsied by COA. • Entanglement wounds were noted on the tail stock as well as wounds on the ventral surface.
Description of Gear on Whale	None noted
Description of Wounds	Marks/wounds on tail stock
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	Female subadult, 190 inches in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 18 - 02		
Field No.	J071702	Date 1st Observed Entangled	7/17/02
Location 1st Observed	Outside Bar Harbor, ME 44 °18.2 ' N, 68 ° 7.4 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<p><u>Gear Description:</u></p> <p style="text-align: center;">No gear present.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u></p> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	N.A.

NMFS No.	E19-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	7/28/2002
Species	Fin
No. of Animals	1
Individual ID	Unknown
Location	165 miles east of Truro, MA
Latitude/Longitude	41° 46.72' N 66° 43.59' W
Event Description	<p>7/28/2002</p> <ul style="list-style-type: none"> • NOAA Marine Mammal Sighting Survey Team documented the dead floating whale from the air. • Carcass was in advanced stages of decomposition. • Line was documented around the tail stock and appeared embedded.
Description of Gear on Whale	Rope or line
Description of Wounds	Line appeared embedded in tail stock.
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	Unknown
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 19 - 02		
Field No.	J072802	Date 1st Observed Entangled	7/28/02
Location 1st Observed	~ 165 nm East of Cape Cod, MA 41 ° 46.7' N, 66 ° 43.6' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	fin	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	
		Current Location of Gear	N.A.

NMFS No.	E20-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	8/3/2002
Species	Unidentified
No. of Animals	1
Individual ID	Unknown
Location	Off Gloucester, MA
Latitude/Longitude	42° 28.82' N 70° 38.41' W
Event Description	8/6/2002 <ul style="list-style-type: none"> • Fisherman called USCG to report a dead whale in his nets. • USCG arrived on scene, carcass sunk to 10-15 ft below the surface, USCG was therefore unable to ID species.
Description of Gear on Whale	Dragger net
Description of Wounds	Unknown
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	Unknown
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 20 - 02		
Field No.	J080302	Date 1st Observed Entangled	8/3/02
Location 1st Observed	7 nm S. of Eastern Point, Cape Ann, MA 42 ° 28.8' N, 70 ° 38.4' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Unidentified	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:		Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	N.A.

NMFS No.	E21-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/4/2002
Species	Right
No. of Animals	1
Individual ID	2320, Piper
Location	3 NM west of Boar's Head, Long Island, Nova Scotia
Latitude/Longitude	44° 23.2' N 66° 18.0' W
Event Description	<p>8/4/2002</p> <ul style="list-style-type: none"> ECE reported the entangled whale to DFO, whale was apparently healthy and free-swimming. ECE stood by. Canadian Coast Guard in FRC arrived on scene and documented. FRC on scene was prepared and equipped to tag and disentangle. However, after they assessed that no trailing line was visible and whale was unapproachable, the effort was abandoned. <p>8/10/2002</p> <ul style="list-style-type: none"> Assessment of photos showed a single line through the whale's mouth, with ends coming out on either side of the mouth, crossing each other over the head before the blowhole, and disappearing into the water in the area of the flippers. Flipper involvement in the entanglement was undocumented and thus unknown. <p>3/24/2003</p> <ul style="list-style-type: none"> Piper was sighted and photo documented 4.5 NM east of Nauset Beach (41° 49.76'N / 69° 50.45' W) by CCS aboard R/V <i>Shearwater</i>. CCS staff aboard R/V <i>Gannet</i> also responded, and teams made multiple attempts to attach satellite/VHF tag. The efforts were unsuccessful due to short length of trailing line. Analysis of photos showed entanglement about the head remains similar to previous sightings. Photos revealed new information on the trailing line, confirming that it was at least 40 ft long. Photos also revealed two large wounds on the right flank. <p>4/28/2003</p> <ul style="list-style-type: none"> Piper sighted by CCS aerial team in western portion of Cape Cod Bay. Aerial support and R/V <i>Shearwater</i> stood by the whale. USCG brought the CCS Disentanglement team to the scene. Conditions deteriorated and the whale was lost. Images from aerial were blurry due to difficult conditions. Although not conclusive, images may indicate that the entanglement had more wraps than previously thought. In addition there may have been an increase in orange cyamids.
Description of Gear on Whale	Light green colored line, crossing over the upper jaw that enters and exits the mouth. Flipper involvement unknown. 40 ft trailing line.
Description of Wounds	Two large wounds on left flank, five or more white pock marks on the right flank.
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	8/2/2002, 14 miles NW of entangled 8/4/2002 sighting at 44° 23.2N / 66° 18.0'W

Conclusions:

No gear recovered.

Report By:	John F. Kenney	Date:	2/17/04	Current Location of Gear	N.A.
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NMFS No.	E22-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/4/2002
Species	Humpback
No. of Animals	1
Individual ID	Sickle - Unconfirmed
Location	12 miles east of Kennebunkport, ME
Latitude/Longitude	~43° 20.73' N ~70° 10.32' W
Event Description	<p>8/4/2002</p> <ul style="list-style-type: none"> • WW vessel sighted entangled whale with calf, 12 miles east of Kennebunkport, ME. The vessel did not contact the Disentanglement Network. • Vessel reported that the entangled whale was 'Sickle' with her calf. • Captain of the vessel believed that both whales would become entangled together and would die. • The mother whale came up alongside vessel, those on board gaffed the line, and hand-lined in the slack until the line was taught, and then cut the line. • Approximately 300' of gear were removed, NMFS did not receive the gear for analysis. • It was believed that the pectoral flipper wrap was still embedded, and the whale was left with only 20' trailing line. • Identification of this whale as 'Sickle' could not be confirmed because identifying photographs of the whale were not made available. <p>8/11/2002</p> <ul style="list-style-type: none"> • Another WW vessel sighted Sickle and her calf at 42° 41.8' N / 70° 23.0' W and documented Sickle to be free of gear at this time. • Photos from this sighting showed scratches on Sickle's right side.
Description of Gear on Whale	Line
Description of Wounds	Line embedded in left pectoral flipper
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	6/12/2002 at 42° 06.10' N / 69° 49.96' W
Re-sightings	None
Life History Information	Adult female
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 22 - 02		
Field No.	J080402HW	Date 1st Observed Entangled	8/4/02

Location 1 st Observed	12 nm East of Kennebunkport, ME 43 ° 20.7' N, 70 ° 10.3 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered		Target Species:
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E23-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/9/2002
Species	Humpback
No. of Animals	1
Individual ID	Touchdown
Location	Northeast Bank, Grand Manan Bank
Latitude/Longitude	44° 16.96'N 67° 01.80' W
Event Description	<p>8/9/2002</p> <ul style="list-style-type: none"> • CCS team sighted the entangled whale and reported to Canada DFO. • DFO gave permission to tag the whale if the opportunity arose. However, the whale was evasive and could not be tagged. <p>8/16/2002</p> <ul style="list-style-type: none"> • WW vessel sighted Touchdown west of Stellwagen Bank at 42° 19.66' N / 70° 31.30' W. • CCS responded aboard the vessel, <i>Gannet</i>. • Sea conditions caused the <i>Gannet</i> to turn back before having reached the whale. • Photographs from the WW vessel indicate whale was still entangled and was carrying a suspended weight on the line hanging from the right flipper. <p>5/5/2003</p> <ul style="list-style-type: none"> • Touchdown was sighted by a whale watch vessel approximately a mile offshore near the northern tip of Cape Cod at 42 05.17'n / 70 05.77'W. • Based on images and a description of the sighting it was believed, but not confirmed, that the whale may have been free of all gear at the time. • Further documentation was needed to confirm that gear had been shed.
Description of Gear on Whale	Single loop of rope through the mouth, with one end tied back to itself on the whale's back, posterior to the blowholes. The other end of line runs over one flipper and down into the water, to an unknown suspended weight below. Weight off right side noticeably affecting behavior, causing the whale to lean and dive to the right.
Description of Wounds	Moderate chaffing on back
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	9/16/2001 at 42° 09.82' N / 70° 19.90' W
Re-sightings	None
Life History Information	Male, born in 1996. ~ 40 ft in length
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 23 - 02	Date 1 st Observed Entangled	8/9/02
Field No.	J080902		

Location 1 st Observed	28 nm W of Brier Island, Grand Manan Bank 44 °17.0 ' N, 67 ° 1.8' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Touchdown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/17/04
		Current Location of Gear	N.A.

NMFS No.	E24-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/10/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown
Location	12 NM south southeast of Schoodic Peninsula, Maine
Latitude/Longitude	44° 10.6' N 67° 52.1' W
Event Description	<p>8/10/2002</p> <ul style="list-style-type: none"> • Staff aboard a WW vessel reported an entangled humpback whale. • No vessels stood by. • Therefore, no disentanglement response was launched. • The entanglement was determined to be a unique event, and not a re-sight of "Touchdown" due to notable differences in the nature of the entanglements and the behavior of whales.
Description of Gear on Whale	Heavy, clear monofilament causing a tight body wrap forward of the flippers
Description of Wounds	None noted
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	Juvenile
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 24 - 02		
Field No.	J081002HW	Date 1st Observed Entangled	8/10/02
Location 1st Observed	12 nm SE of Schoodic Peninsula, ME 44 °10.6 ' N, 67 ° 52.1 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E25-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/10/2002
Species	Right
No. of Animals	1
Individual ID	2040
Location	Miramichi Bay, Gulf of St. Lawrence Canada
Latitude/Longitude	47° 14.226' N 64° 57.913' W
Event Description	<p>8/10/2002</p> <ul style="list-style-type: none"> ECE reported a sighting of a right whale with green rope around the tail. <p>8/24/2002</p> <ul style="list-style-type: none"> Right whale 2040 sighted in Baies des Chaleurs. Based on the description of gear and geographic proximity, it was believed that the entangled whale sighted 8/10/2002 was also 2040. It appeared that the whale had been more extensively entangled than previously thought. Skin chaffing that was evident around the rostrum, body and flukes suggested that the whale had been able to shed some gear on its own. The remaining entanglements appeared minor, further documentation was needed. <p>9/17/2002</p> <ul style="list-style-type: none"> 2040 was sighted by NEA with her calf in the Bay of Fundy. The whale is now free of gear.
Description of Gear on Whale	Green line on tail.
Description of Wounds	Extensive raw scarring on tail stock, white scarring on the area of baleen where line was previously, small piece of baleen sticking out of front of the mouth.
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	7/3/2002 at 42° 14.9' N / 70° 18.2' W in Gulf of Maine
Re-sightings	None
Life History Information	12 year old female.
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 25 - 02		
Field No.	J081002RW	Date 1st Observed Entangled	8/10/02
Location 1st Observed	Miramichi Bay, Gulf of St. Lawrence, CA 47 ° 14.2' N, 64 ° 57.9 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	right	Gear Recovered (y/n)	No

Individual ID	2040	Gear Analysis Conducted (y/n)	No
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GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u>					
<u>Comments:</u>					
<u>Conclusions:</u>					
No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/04	Current Location of Gear	N.A.

NMFS No.	E26-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/21/2002
Species	Minke
No. of Animals	1
Individual ID	Unknown
Location	Less than 1 mile south of Southwest Harbor, Mount Desert Island, ME
Latitude/Longitude	68° 17' W 44° 11' N
Event Description	8/21/2002 <ul style="list-style-type: none"> • A fisherman disentangled a minke whale from lobster gear. • The owner of the gear was on-site for the disentangling. • All gear was removed and returned to the fisherman.
Description of Gear on Whale	Lobster gear (one double)
Description of Wounds	None noted
Gear Type	Lobster - inshore - state waters
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	Unknown
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 26 - 02		
Field No.	J082102	Date 1st Observed Entangled	8/21/02
Location 1st Observed	Off Southwest Harbor, Mt. Desert Island, ME 44 °11' N, 68 ° 17' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	minke	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other	ME disentanglement trainee	Depth
			Bottom Type
Gear Type:	lobster gear, state waters	Target Species:	lobster
<p><u>Gear Description:</u></p> <p style="text-align: center;">A pair of traps with buoy line rigged with sink rope near the surface and float rope on the bottom. There was a toggle about 5 fm down the buoy line. The gear was not recovered.</p>			
<p><u>Comments:</u></p> <p style="text-align: center;">The whale had the portion of buoy line between the buoy and toggle through its mouth.</p>			
<p><u>Conclusions:</u></p> <p style="text-align: center;">Whale was entangled in a buoy line from a pair of lobster traps.</p>			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E27-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	8/22/2002	
Species	Right	
No. of Animals	1	
Individual ID	1815	
Location	Roseway Basin, Nova Scotia	
Latitude/Longitude	42° 56.0' N	65 22.7' W
Event Description	8/22/2002 <ul style="list-style-type: none"> • Crew aboard NOAA R/V <i>Delaware II</i> sighted the entangled right whale and photo documented. • The body of the whale was gray in color, and the whale was not seen to lift flukes "high" out of the water. • Pectorals were not seen. 	
Description of Gear on Whale	Line across back to left pectoral, blow holes and rostrum.	
Description of Wounds	None noted, body gray in color	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	9/20/2001 in Bay of Fundy	
Re-sightings	Unknown	
Life History Information	Adult female of unknown age, mother of at least 2 calves	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 27 - 02		
Field No.	J082202	Date 1st Observed Entangled	8/22/02
Location 1st Observed	Roseway Basin, Nova Scotia 42 °56.0 ' N, 65 °22.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	right	Gear Recovered (y/n)	No
Individual ID	1815	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u>					
<u>Comments:</u>					
<u>Conclusions:</u>					
No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/02	Current Location of Gear	N.A.

NMFS No.	E28-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	8/26/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Unknown	
Location	Off of Long Point, Provincetown, MA	
Latitude/Longitude	42° 02.0' N	70° 07.0' W
Event Description	8/26/2002 <ul style="list-style-type: none"> • USCG Woods Hole reported a small humpback entangled in lobster gear. • Five minutes later, USCG called back to report that the whale had freed itself from the gear. • WW vessel in the area verified that the whale was a humpback and was free of gear. • This is believed to be the same event as a report on the same day from a fisherman in the same area: A small humpback became entangled in his gear and it began breaching and dragging the pot as it swam away. Then, the "whale-safe" buoy popped free and the whale swam off gear-free. 	
Description of Gear on Whale	Described as lobster gear, two buoys and some line across the back and head	
Description of Wounds	None noted	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	Unknown	
Life History Information	~ 25 ft in length	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 28 - 02		
Field No.	J082602	Date 1st Observed Entangled	8/26/02
Location 1st Observed	Off Long Pt Provincetown, Cape Cod, MA 42 ° 2.0' N, 70 ° 7.0 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set		
	CCS		Date Lost		
	Fisherman		Location		
	Other		Depth		
			Bottom Type		
Gear Type:	Unknown - no gear recovered		Target Species:		
<u>Gear Description:</u>					
<u>Comments:</u>					
<u>Conclusions:</u>					
No gear recovered.					
Report By:	John F. Kenney	Date:	2/18/02	Current Location of Gear	N.A.

NMFS No.	E29-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	8/30/2002
Species	Right
No. of Animals	1
Individual ID	Unknown
Location	Bay of Fundy, Canada
Latitude/Longitude	44° 40.5' N 66° 25.1' W
Event Description	<p>8/30/2002</p> <ul style="list-style-type: none"> NEAq staff sighted and documented the entangled right whale in a Surface Active Group (SAG). <p>9/2/2002</p> <ul style="list-style-type: none"> WHOI research vessel re-sighted whale, again in SAG. Disentanglement teams searched the bay for the whale. The whale was not re-sighted. <p>9/25/2002</p> <ul style="list-style-type: none"> R/V <i>Nereid</i> sighted the whale at 44° 41.5' N / 66° 23.4' W and documented.
Description of Gear on Whale	Two tight wraps of brown line visible in the left of rostrum
Description of Wounds	None noted
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown - Previously unknown individual
Re-sightings	Unknown
Life History Information	Adult
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 29 - 02		
Field No.	J083002	Date 1st Observed Entangled	8/30/02
Location 1st Observed	25 nm N of Brier Island, Nova Scotia, BOF 44 °40.5 ' N, 66 ° 25.1 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	right	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E30-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	8/31/2002	
Species	Blue	
No. of Animals	1	
Individual ID	328	
Location	St. Lawrence River, Canada	
Latitude/Longitude	48° 34.5' N	69° 00.2' W
Event Description	8/31/2002 • Mingan Island Cetacean Station observed and documented an entangled blue whale.	
Description of Gear on Whale	Unknown	
Description of Wounds	Unknown	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	Unknown	
Life History Information	Adult, ~ 80 ft in length	
Serious Injury/Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 30 - 02		
Field No.	J083102	Date 1st Observed Entangled	8/31/02
Location 1st Observed	St Lawrence River, Canada 48 ° 34.5' N, 69 ° 0.2 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	blue	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/02
		Current Location of Gear	N.A.

NMFS No.	E31-02
Indication of Entanglement	No
Live/Dead Outcome	Live
Date 1st Observed Entangled	9/5/2002
Species	Humpback
No. of Animals	1
Individual ID	Timelapse
Location	Grand Manan Island, New Brunswick, Canada
Latitude/Longitude	Unknown Unknown
Event Description	<p>9/5/02</p> <ul style="list-style-type: none"> • Whale found entrapped inside herring weir. • Fisherman removed top poles and dropped top twine. <p>9/8 or 9/9 (overnight)</p> <ul style="list-style-type: none"> • Whale swam out on its own.
Description of Gear on Whale	No gear on whale
Description of Wounds	No apparent injuries
Gear Type	Entrapment - herring weir
Sighting Prior to Entanglement	4/27/02 by WCNE at 42°26.55N and 70°29.19W
Re-sightings	None
Life History Information	20 -22 ft; tips of both flukes missing (healed); Born no later than 2001
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 31 - 02		
Field No.	J090502	Date 1st Observed Entangled	9/5/02
Location 1st Observed	Grand Manan Island, New Brunswick, CA -- ° -- ' N, -- ° -- ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Timelapse	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:		Target Species:	
<p><u>Gear Description:</u></p> <p style="text-align: center;">This was not an entanglement. The whale was found swimming in a herring weir. The fishermen opened the weir and the whale swam out.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u></p> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E32-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	9/9/2002
Species	Humpback
No. of Animals	1
Individual ID	Perseus
Location	18 miles south of Newport, RI (Rhode Island Sound)
Latitude/Longitude	41° 12.948' N 71°10.853' W
Event Description	<p>9/9/02</p> <ul style="list-style-type: none"> • Fisherman reported whale anchored in his gear & stood by. • CCS responded and team was on scene by 4 pm.. • The whale was evasive, despite being anchored. <p>9/10/02</p> <ul style="list-style-type: none"> • Three vessels (CCS vessel Shearwater, the reporting vessel and a larger fishing vessel) worked cooperatively to haul gear and cut lines. • Whale was disentangled.
Description of Gear on Whale	A blue line looped around the top of the head, through either side of the mouth and twisted together at the throat which then led to anchoring gear
Description of Wounds	Indentation noted from line on the head
Gear Type	Lobster - inshore
Sighting Prior to Entanglement	9/ 2/2002 in Cape Cod Bay/Provincetown Harbor, MA
Re-sightings	None known
Life History Information	Male, healed scars indicate the whale had been entangled before; Born no later than 2001
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 32 - 02		
Field No.	J090902	Date 1st Observed Entangled	9/9/02
Location 1st Observed	18 nm S. of Newport, Rhode Island 41 °12.9 ' N, 71 ° 10.8 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	9/9/02 Observation 9/10/02 Disentanglement
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Perseus	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By		
Date Gear Received			Received From		
Sources:	USCG		Date Set	7 -10 days prior to entanglement	
	CCS		Date Lost		
	Fisherman	owner interview	Location	local to above location	
	Other		Depth	144 feet	
			Bottom Type	hard	
Gear Type:	lobster		Target Species:	lobster	
<u>Gear Description:</u>					
25 pot trawl with floating ground line. Buoy line was 2/3 float & 1/3 sink with weak link.					
<u>Comments:</u>					
Initial entanglement appeared to be in the floating groundline between the 2 nd & 3 rd traps. Secondary entanglement involved the buoy line.					
<u>Conclusions:</u>					
Whale was entangled by floating ground line of a 25 pot trawl of lobster gear.					
Report By:	John F. Kenney	Date:	2/18/04	Current Location of Gear	N.A.

NMFS No.	E33-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	9/21/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown
Location	8 miles N of Provincetown, MA
Latitude/Longitude	42° 12.0' N 70° 18.4' W
Event Description	9/21/02 <ul style="list-style-type: none"> • Reported and documented by fisherman. • Whale was free-swimming. • No one stood by. • Therefore, no response was mounted.
Description of Gear on Whale	Gear coming out of mouth described as 14" brown cordage
Description of Wounds	None noted
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	Unknown
Life History Information	Unknown
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 33 - 02		
Field No.	J092102	Date 1st Observed Entangled	9/21/02
Location 1st Observed	8 nm N of Provincetown, Capo Cod, MA 42 °12.0 ' N, 70 ° 18.4 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear rrecovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E34-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	9/28/2002
Species	Humpback
No. of Animals	1
Individual ID	Hexed
Location	Mass Bay , 5 nm S/SE of Gloucester, MA
Latitude/Longitude	42° 31.94' N 70° 35.72' W
Event Description	<p>9/28/02</p> <ul style="list-style-type: none"> Reported and documented by naturalist aboard a whale watch vessel. Response was not mounted due to darkness. Naturalist also documented ship strike injuries to flukes and dorsal ridge. <p>9/29/02</p> <ul style="list-style-type: none"> Hexed was sighted and documented free of gear by whale watch naturalist in Cape Cod Bay.
Description of Gear on Whale	A loose loop of small diameter line wrapped over and around right fluke and trailing a few feet. Long buoy stick with flag on the end was attached to either the right flipper or mouth
Description of Wounds	Ship strike injuries to flukes and dorsal ridge
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	1/6/2002 in Cape Cod Bay MA
Re-sightings	11/4/02 - in Cape Cod Bay by CCS
Life History Information	Juvenile male; Born no later than 2001
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 34 - 02		
Field No.	J092802	Date 1st Observed Entangled	9/28/02
Location 1st Observed	5 nm SSE of Gloucester, Mass Bay 42 ° 31.9' N, 70 ° 35.7' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Hexed	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E35-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	10/1/2002
Species	Humpback
No. of Animals	1
Individual ID	Unknown (Temporary ID: CCS-0235)
Location	Floating 1.5 miles E of Plymouth, MA; Beached N. end of North beach, Race Point, Provincetown, MA
Latitude/Longitude	41° 57.2' N 70° 31.4' W
Event Description	<p>10/1/02</p> <ul style="list-style-type: none"> Boater reported a dead whale anchored in gear. MEP responded and found and documented floating carcass. Whale was drifting ENE. <p>10/2/02</p> <ul style="list-style-type: none"> Carcass washed up on Race Point, Provincetown, MA. Fresh entanglement scars were documented and fibers of twisted green line, identified as polypropylene warp was collected from the entanglement wound. <p>10/3/02</p> <ul style="list-style-type: none"> Full necropsy was conducted. 12 wraps evident from rope burn abrasions identified around the body.
Description of Gear on Whale	No gear recovered
Description of Wounds	Bruising was associated with areas of abrasion from entanglement (right gape of mouth, left and right pectoral flippers, peduncle and flukes).
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	None known
Re-sightings	None (mortality)
Life History Information	750 cm Male; probably a 2002 calf
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 35 - 02		
Field No.	J100102	Date 1st Observed Entangled	10/1/02
Location 1st Observed	1.5 nm East of Plymouth, MA 41 ° 57.2' N, 70 ° 31.4 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<p><u>Gear Description:</u></p> <p style="text-align: center;">No gear present.</p>			
<p><u>Comments:</u></p>			
<p><u>Conclusions:</u></p> <p style="text-align: center;">No gear recovered.</p>			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E36-02	
Indication of Entanglement	No	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	10/4/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Unknown	
Location	Approximately one mile offshore of Virginia Beach, VA	
Latitude/Longitude	36° 49.6' N	75° 57.5 W
Event Description	10/4/2002 <ul style="list-style-type: none"> • Whale was observed surfacing in gillnet gear. • Whale was not seen again. • Gear was examined and appeared intact. 	
Description of Gear on Whale	Green line across back behind the blow hole	
Description of Wounds	None noted	
Gear Type	Unknown - no gear recovered	
Sighting Prior to Entanglement	Unknown	
Re-sightings	Unknown	
Life History Information	Unknown	
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 36 - 02		
Field No.	J100402	Date 1st Observed Entangled	10/4/02
Location 1st Observed	~ 1 nm off Virginia Beach, VA. 36 ° 49.6' N, 75 ° 57.5 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Observation
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:	Unknown - no gear recovered	Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E37-02
Indication of Entanglement	Yes
Live/Dead Outcome	Live
Date 1st Observed Entangled	10/10/2002
Species	Humpback
No. of Animals	1
Individual ID	Holepunch
Location	Off of Brier Island, Nova Scotia, Bay of Fundy, Canada
Latitude/Longitude	Unknown Unknown
Event Description	10/10/02 <ul style="list-style-type: none"> • Whale partially disentangled by Canadian team (limited details available). • Approximately 14 ft of line was left trailing.
Description of Gear on Whale	Unknown
Description of Wounds	Unknown
Gear Type	Unknown
Sighting Prior to Entanglement	8/12/2002 at 42° 09.90' N / 70° 07.83' W
Re-sightings	None
Life History Information	Born in 2000, calf of Sloop
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 37 - 02		
Field No.	J101002	Date 1st Observed Entangled	10/10/02
Location 1st Observed	Off Brier Island, Nova Scotia, BOF -- ° -- ' N, -- ° -- ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Partial Disentanglement
Species	humpback	Gear Recovered (y/n)	Unknown
Individual ID	Holepunch	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By	
Date Gear Received			Received From	
Sources:	USCG		Date Set	
	CCS		Date Lost	
	Fisherman		Location	

	Other		Depth		
			Bottom Type		
Gear Type:	Unknown		Target Species:		
<u>Gear Description:</u>					
<u>Comments:</u> No additional information available.					
<u>Conclusions:</u>					
Report By:	John F. Kenney	Date:	2/18/04	Current Location of Gear	N.A.

NMFS No.	E38-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	10/15/2002
Species	Minke
No. of Animals	1
Individual ID	Unknown
Location	Gloucester Harbor, Gloucester, MA
Latitude/Longitude	42° 36' N 70° 39' W
Event Description	10/15/02 <ul style="list-style-type: none"> • Carcass was found anchored in gear. 10/16/02 <ul style="list-style-type: none"> • Carcass was towed in for necropsy. • Necropsied by NEAq and WCNE. • Flipper wrap and entangling gear documented hanging from the mouth.
Description of Gear on Whale	Entangling Gear hanging from the base of the mouth. One flipper wrap
Description of Wounds	Left pectoral flipper (at insertion) bruised at site of rope abrasion. Abrasions also noted on left side of mouth
Gear Type	Lobster - inshore - state waters
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	514 cm subadult Female
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 38 - 02		
Field No.	J101502	Date 1st Observed Entangled	10/15/02
Location 1st Observed	Ten Pound Is., Gloucester Harbor, Gloucester, MA 42 ° 36' N, 70 ° 39 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	minke	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		10/15/02	Gear Retrieved By		WCNE
Date Gear Received		10/18/02	Received From		NERO/PR
Sources:	USCG		Date Set		1 - 2 days prior to event
	CCS		Date Lost		
	Fisherman	Owner interview	Location		
	Other	WCNE (Weinrich)	Depth		40 feet
			Bottom Type		Hard
Gear Type:		Lobster gear - state waters	Target Species:		Lobster
<u>Gear Description:</u>					
Ten trap trawl with all sinking buoy line and very little floating line on the ground lines (per owner).					
<u>Comments:</u>					
Very little gear was recovered. It was tagged by S.A.Green on 12/18/02 with #29269					
<u>Conclusions:</u>					
Lobster gear fished in state waters.					
Report By:		John F. Kenney	Date:	2/18/04	Current Location of Gear
					NMFS, Narragansett

NMFS No.	E39-02
Indication of Entanglement	Yes
Live/Dead Outcome	Dead
Date 1st Observed Entangled	10/27/2002
Species	Unidentified
No. of Animals	1
Individual ID	Unknown
Location	One mile off of Eastern Head, Cutler, ME
Latitude/Longitude	~ 44°37' N ~ 67° 10' W
Event Description	<p>10/25/2002</p> <ul style="list-style-type: none"> Fisherman reported that he had lost gear one week earlier. Then, on this day he saw his buoys just under the surface of the water. When he hauled the gear, he found the carcass hung up in his gear. Carcass was not reported until 10/27. Carcass was in advanced decomposition, no photo documentation. <p>10/27/2002</p> <ul style="list-style-type: none"> Marine Patrol investigated from shore in poor visibility (saw white carcass). <p>10/28/2002</p> <ul style="list-style-type: none"> Marine Patrol investigated; by this time, the carcass was gone.
Description of Gear on Whale	Unknown
Description of Wounds	Unknown
Gear Type	Unknown - no gear recovered
Sighting Prior to Entanglement	Unknown
Re-sightings	None - mortality
Life History Information	~ 25 ft
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 39 - 02		
Field No.	J102702	Date 1st Observed Entangled	10/27/02
Location 1st Observed	1 nm off Eastern Head, Cutler, ME 44 ° 37' N, 67 ° 10 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Carcass
Species	Unidentified	Gear Recovered (y/n)	Yes
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved			Gear Retrieved By	
Date Gear Received			Received From	
Sources:	USCG		Date Set	Approx. 1 month earlier
	CCS		Date Lost	
	Fisherman		Location	Same as above
	Other		Depth	260 feet
			Bottom Type	Hard
Gear Type:	Lobster - Triple	Target Species:	Lobster	
<p><u>Gear Description:</u></p> <p style="text-align: center;">Lobster gear set in triples. Buoy line 2/3 sink on top and 1/3 float on the bottom. Ground lines: floating.</p>				
<p><u>Comments:</u></p> <p style="text-align: center;">This incident was not reported until after the fact. The fisherman was the only party involved.</p>				
<p><u>Conclusions:</u></p> <p style="text-align: center;">Whale entangled about half way down the buoy line.</p>				
Report By:	John F. Kenney	Date:	2/18/02	Current Location of Gear
				N.A.

NMFS No.	E40-02		
Indication of Entanglement	No		
Live/Dead Outcome	Live		
Date 1st Observed Entangled	11/1/2002		
Species	Unidentified		
No. of Animals	1		
Individual ID	Unknown		
Location	Outside of Sesuit Harbor, Barnstable, MA		
Latitude/Longitude	41° 45.4' N	70° 11.5' W	
Event Description	11/1/2002 <ul style="list-style-type: none"> Whale was observed from shore using binoculars and telescope. Observer noted fisherman cutting something free from near the vessel. Whale swam off with 'red hook' described still around tail Harbormaster responded and saw a humpback free of gear very close to reported location. 11/3/2002 (estimated) <ul style="list-style-type: none"> Humpback with an injury on the fluke that could likely have been mistaken for a 'red hook' was observed feeding close to shore in the area. 		
Description of Gear on Whale	'Red hook' described around tail		
Description of Wounds	None noted		
Gear Type	Unknown - no gear recovered		
Sighting Prior to Entanglement	Unknown		
Re-sightings	Unknown		
Life History Information	Unknown		
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004		

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 40 - 02		
Field No.	J110102	Date 1st Observed Entangled	11/1/02
Location 1st Observed	Outside of Sesuit Harbor, Barnstable, MA 41 °45.4 ' N, 70 ° 11.5 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	No Indication of Entanglement
Species	Unidentified	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	No

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG		Date Set
	CCS		Date Lost
	Fisherman		Location
	Other		Depth
			Bottom Type
Gear Type:		Target Species:	
<u>Gear Description:</u>			
<u>Comments:</u>			
<u>Conclusions:</u>			
No indication of entanglement. No gear recovered.			
Report By:	John F. Kenney	Date:	2/18/04
		Current Location of Gear	N.A.

NMFS No.	E41-02	
Indication of Entanglement	Yes	
Live/Dead Outcome	Live	
Date 1st Observed Entangled	11/20/2002	
Species	Humpback	
No. of Animals	1	
Individual ID	Unknown	
Location	Indian River Inlet, DE	
Latitude/Longitude	38°37.39' N	75° 02.15'W
Event Description	11/20/2002 <ul style="list-style-type: none"> Commercial fisherman reported to the USCG that a live whale was anchored in his pot gear. Stranding Network and USCG stood by. The fisherman removed the slack and applied pressure to his gear. The whale reportedly "rolled out" of gear and swam away. 	
Description of Gear on Whale	Pots and line	
Description of Wounds	Minor abrasions along the caudal peduncle	
Gear Type	Conch traps - state waters	
Sighting Prior to Entanglement	Unknown	
Re-sightings	Unknown	
Life History Information	~ 45 ft	
Serious Injury/ Mortality Determination	Pending U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments-2004	

FISHERY INTERACTION GEAR ANALYSIS

NMFS No.	E 41 - 02		
Field No.	J112002	Date 1st Observed Entangled	11/20/02
Location 1st Observed	Off Indian River Inlet DE. 38 °37.4 ' N, 75 ° 2.1 ' W	Type of Event - Observation, Disentanglement, Stranding. Other (describe)	Disentanglement
Species	humpback	Gear Recovered (y/n)	No
Individual ID	Unknown	Gear Analysis Conducted (y/n)	Yes

GEAR DESCRIPTION / ANALYSIS

Date Gear Retrieved		Gear Retrieved By	
Date Gear Received		Received From	
Sources:	USCG	Date Set	11/19/02 14:30h

	CCS		Date Lost		
	Fisherman	Owner interview	Location	38 °37' N, 75 °02' W	
	Other		Depth	8 fathoms	
			Bottom Type	sand	
Gear Type:	Conch traps		Target Species:	Conch	
<p>Gear Description: 20 trap trawl of conch traps. Traps are 1/3 of a 50 gallon plastic barrel with 60 lbs of cement for ballast. 6' pvc buoystick with buoy attached to 10 fathom of 5/16" float rope with lead woven into line to keep it from floating on surface. 5/16" poly buoy line attaches to a 50lb cement block weight on bottom. Ground line of 3/8" poly leads from weight for 20 fathom to 1st trap that attaches to ground line with 6' gangion, trawl continues for 20 traps with 20 fathom in between traps and ends with same weight and buoy configurations as other end.</p>					
<p>Comments: This gear is set east and west across the sand bottom within a few miles of the shoreline. Traps are hauled every day. Captain states that he will not fish trawl again next year for fear of entangling more whales and that the single traps fish better than the trawls. I gave the Capt. a coil of NB line to tray and supplied him with 600lb weak links for his buoys. Capt. stated that just before he noticed the entanglement there were large balls of bait fish in the area that he believes might have attracted the whale to this area.</p>					
<p>Conclusions:</p> <p>According to the Capt. it looks like the whale was caught in the middle of the trawls groundline when feeding and that the line was in the animals mouth , around the back and over one pectoral fin and leading back to the tail. Captain believes that the whale would have drowned in gear had he not attempted to disentangle and that all gear was removed from animal.</p>					
Report By:	Glenn Salvador	Date:	2/27/02	Current Location of Gear	N.A.